

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19831	piezoelectric near9 (electric or power)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 09:15
L2	0	1 and pendulum and oscilat\$3 and (horizontal or latteral or perpendicular\$2)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:12
L3	0	piezoelectric and pendulum and oscilat\$3 and (horizontal or latteral or perpendicular\$2)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 06:57
L4	9	pendulum and oscilat\$3 and (horizontal or latteral or perpendicular\$2)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 06:56
L5	79	(pendulum near9 (elastic or spring)) and ((horizontal or latteral or perpendicular\$2) near3 (elastic or spring))	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:12
L6	2	5 and piezoelectric	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:32
L7	2	("6411016").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/19 07:10
L8	7098	((pendiculum or vertical\$2 or swing\$3) near5 (elastic or spring)) and ((horizontal or latteral or perpendicular\$2) near5 (elastic or spring))	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:19
L9	17	1 and 8	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:40
L10	91	1 and ((pendiculum or vertical\$2 or swing\$3) near5 (elastic or spring)) and (mass or weight or ball)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:28
L11	20237	(pendiculum or vertical\$2 or swing\$3) near5 (elastic or spring) and (mass or weight or ball)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:28
L13	49261	(stri\$3 or impact\$3 or vibrat\$3) near4 (vertical\$2 or up or down)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:31
L14	54681	(stri\$3 or impact\$3 or vibrat\$3) near4 (horizontal\$2 or wall or sideway or left or right or lateral\$2)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:31
L15	536	11 and 13 and 14	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:31

L16	33	15 and piezoelectric	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:32
L17	70	15 and ((two or three) near4 (mass or weight or ballS))	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:50
L18	214	15 and (sens\$3 or detect\$3)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 07:58
L20	17	1 and 11 and 14	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:20
L21	26	1 and 11 and 13	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:25
L22	27328	(mass or weight or ball or striker) near4 (suspend\$3 or hang\$3 or hung)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:27
L23	26964	(mass or weight or ball or striker) near4 ((attach\$3 or mount\$3 or plac\$3 or connect\$3) near3 (end or tip))	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:28
L24	1691	22 and 23	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:33
L25	16	1 and 24	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 08:33
L26	1719	piezoelectric: near3 (generat\$3 or produc\$3 or provid\$3) near2 (electric or power)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 09:16
L27	42	26 and "340"/\$7.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/19 09:16

US 4672257 A	Piezoelectric latching	310/328	200/181
US 6940542 B2	Imaging apparatus, ar	348/208.9	348/351; 396/52; 396/55
US 6491515 B1	Multi-mode lighter	431/153	431/255; 431/344; 431/345
US 6218767 B1	Vibration device	310/323.02	
US 6154580 A	Tactile sensor and fin	382/312	250/556; 382/115
US 5947456 A	Vibration insulating de	267/140.1	248/550; 267/140.13; 267/140.15
US 5892316 A	Vibration actuator	310/323.01	
US 5751091 A	Piezoelectric power g	310/339	310/319; 310/332
US 5417563 A	Child-resistant lighter	431/153	222/153.01; 431/277
US 5323571 A	Grinding machine for	451/11	451/251; 451/394
US 5215458 A	Child-resistant lighter	431/277	222/153.11; 431/153
US 5144342 A	Head for ink-jet printer	347/70	
US 5062222 A	Shoe or boot having a	36/2.6	36/117.1; 36/118.9
US 5012820 A	Device for investigatic	600/595	600/554
US 4190336 A	Piezoelectric power st	396/248	310/332; 310/339; 396/463
US 3724993 A	IMPACTING MECHAN	431/255	310/339; 361/260
JP 62126656 A	RESIN-MOLDED HYBRID-IC MC	257/E23.059	

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US 6288475 B1	Ultrasonic motor	310/323.03	310/323.03
US 6909222 B2	Piezoelectric actuator	310/328	310/331; 310/348; 310/364; 310/370
US 6881963 B2	Vibration control of an	250/491.1	250/492.1; 250/492.2; 250/492.2
US 6832439 B2	Scribing device	33/18.1	
US 6779400 B1	Method and apparatus	73/471	73/862.01
US 6488117 B1	Vertical-force vibrator	181/121	181/102; 181/112
US 6448670 B1	Signal input device	307/10.1	307/9.1; 477/34; 700/56; 701/51;
US 6257058 B1	Silicon gyroscope and	73/504.16	310/370
US 5977473 A	Acoustic drum with sh	84/723	84/104; 84/411R; 84/725; 84/730
US 5952572 A	Angular rate sensor an	73/504.04	73/504.12; 73/514.29
US 5950756 A	Vibration isolator of vi	180/312	
US 5904609 A	Polishing apparatus a	451/8	451/285; 451/287; 451/41
US 5892316 A	Vibration actuator	310/323.01	
US 5876265 A	End point polishing ap	451/10	438/691; 438/692; 451/11; 451/28
US 5751091 A	Piezoelectric power ge	310/339	310/319; 310/332
US 5667130 A	Ultrasonic wire bondir	228/110.1	228/1.1
US 5536926 A	Optical scanner and o	235/462.25	359/224
US 5448129 A	Ultrasonic motor with	310/323.11	
US 5327040 A	Ultrasonic motor with	310/323.11	
US 5310157 A	Vibration isolation sys	248/619	
US 5199701 A	Carrier apparatus usir	271/272	226/191; 271/119
US 5178013 A	Impact sensor	73/12.04	280/735; 310/329; 73/514.17; 73/
US 5146129 A	Vibration wave motor	310/323.16	310/328
US 5109177 A	Damped cradle for sa	310/313R	
US 4732160 A	Method of flow measu	600/573	177/211; 177/4; 73/861
US 4325416 A	Apparatus for determi	141/95	137/386; 141/198; 73/290V
US 4163643 A	Automation of discret	436/47	366/109; 422/65; 436/804; 436/80
US 4119933 A	Mechanical artificial r	333/142	333/146; 333/148; 381/65; 84/737
US 4063285 A	Pickup device with a c	369/130	369/144; 369/247.1; 369/256; 406
US 3995451 A	Patterning mechanisr	66/218	310/332
JP 050798 A, U	EARTHQUAKE SENSOR		
JP 02008109 A	VIBRATING PARTS FEEDER	198/766	
JP 56080836 A	OPTICAL INFORMATION READI	369/44.14;	369/44.32

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US 6288475 B1	Ultrasonic motor	310/323.0' 310/323.03
JP 2005273300 A	Locking device for window of building, has assault arranged at sha	
US 6940542 B2	Imaging apparatus, ar	348/208.9; 348/351; 396/52; 396/55
US 6909222 B2	Piezoelectric actuator	310/328 310/331; 310/348; 310/364; 310/3
US 6881963 B2	Vibration control of an	250/491.1 250/492.1; 250/492.2; 250/492.2;
US 6832439 B2	Scribing device	33/18.1
US 6827559 B2	Piezoelectric micropu	417/413.2 417/248; 417/413.1
US 6554166 B2	Apparatus for produc	222/594 222/591; 266/202; 266/236
US 6488117 B1	Vertical-force vibrator	181/121 181/102; 181/112
US 6116532 A	Armature winding mac	242/443 242/433.4; 242/448; 29/596
US 6018210 A	Methods for controllin	310/311 310/317; 310/319; 310/326; 318/
US 5892316 A	Vibration actuator	310/323.01
US 5823307 A	Stiff actuator active vil	188/378 267/136
US 5751091 A	Piezoelectric power g	310/339 310/319; 310/332
US 5697634 A	Suspension system of	280/124.1( 280/5.515
US 5660255 A	Stiff actuator active vil	188/378 267/136
US 5303510 A	Automatic feed system	451/36 451/165
US 5203199 A	Controlled acceleratio	73/865.3 73/1.39
US 5199701 A	Carrier apparatus usir	271/272 226/191; 271/119
US 5178013 A	Impact sensor	73/12.04 280/735; 310/329; 73/514.17; 73/
US 5146129 A	Vibration wave motor	310/323.1( 310/328
US 4905507 A	Multiple-function motic	73/118.1 303/168; 324/207.21; 324/207.25
US 4368525 A	Vibration detector	367/165 310/329
US 4325416 A	Apparatus for determini	141/95 137/386; 141/198; 73/290V
US 3995451 A	Patterning mechanisr	66/218 310/332
US 3958450 A	Resonant sensing dev	73/573 73/579; 73/81

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US 6437684 B1	Electronic locking dev	340/5.67	340/10.34; 340/5.25; 455/343.1
US 6166624 A	Piezoelectric horn, pa	340/384.6	340/384.1; 340/388.1; 381/190; 3
US 6960986 B2	Support system using	340/10.41	340/539.14; 340/573.1; 340/690;
US 6959593 B2	System, tire, wheel, v	73/146	340/445
US 6956473 B2	Self-adjusting alarm s	340/522	340/426.11; 340/429; 340/541; 34
US 6819254 B2	Monitoring system and	340/665	340/666; 340/667; 73/760; 73/862
US 6756930 B1	Self-contained digital	341/176	323/304; 323/333; 340/825.69
US 6734799 B2	Apparatus and method	340/576	340/435; 340/439; 340/449; 340/4
US 6535135 B1	Bearing with wireless	340/682	384/459; 73/53.05
US 6466140 B1	Pedestrian push butto	340/944	200/302.2; 200/510; 200/511; 340
US 6271760 B1	Human body sensor for	340/667	340/665; 340/668
US 6252512 B1	Monitoring system and	340/665	340/666; 340/667; 73/862.045
US 6175302 B1	Tire pressure indicato	340/442	340/447; 73/146.3; 73/146.4
US 6137424 A	Passive road sensor for	340/933	340/937; 340/943; 348/148; 348/
US 6109110 A	Low frequency vibrati	73/654	340/566
US 6075466 A	Passive road sensor for	340/933	340/937; 340/942
US 5784004 A	Apparatuses and syst	340/854.6	166/250.01; 175/40; 175/50; 340/
US 5703295 A	Vibration sensing met	73/593	310/339; 340/682; 340/683; 713/3
US 5689248 A	Methods for reducing	340/853.1	340/855.5; 340/855.7; 340/870.07
US 5631633 A	Device for determinin	340/621	310/323.21; 310/328; 340/620; 73
US 5568939 A	Seat belt retractor sys	280/806	180/282; 297/477; 297/480; 340/6
US 5557294 A	Emergency signal dev	345/32	340/815.4; 345/211
US 5325718 A	Dual-frequency vibrati	73/654	340/429
US 5204672 A	Keyless entry system	340/825.7	340/5.31; 340/5.65; 340/5.72
US 5047749 A	Passive remote photo	340/555	250/206; 250/221
US 5038134 A	Releasing circuit for a	340/438	280/735; 340/436
US 4985835 A	Method and apparatus	701/46	180/282; 280/735; 340/669
US 4926159 A	Apparatus and method	340/384.6	310/317; 310/321; 310/324; 340/3
US 4761005 A	Sports scoring device	273/454	310/318; 310/800; 340/323R; 482
US 4723447 A	Inertia-sensitive devic	73/654	340/566; 340/689
US 4654663 A	Angular rate sensor s	340/870.3	310/360; 310/367; 310/370; 331/
US 4531112 A	Method and apparatus	340/447	73/146.5
US 4398173 A	Safeness indicator for	340/439	180/271; 280/777; 310/800; 340/6
US 4360803 A	Door lock assembly w	340/542	340/665
US 4196414 A	Integral tire inflation v	340/443	200/61.23; 340/539.1; 340/539.3
US 4195284 A	Sound generator	340/384.6	340/384.72
US 4183381 A	Method of and device	139/370.1	340/677
US 3863250 A	GLASS BREAKAGE I	340/550	310/319; 310/326; 310/328; 340/5
JP 05205187 A	PULSE OSCILLATING ELEMEN	340/870.01	
JP 04275594 A	DRIVING DEVICE FOR PIEZOEI	340/384.6	
JP 63247642 A	BODY DETECTOR		340/573.1; 340/FOR.103
JP 58135429 A	DETECTOR OF TEMPERATURE	340/595	